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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/787,160	02/27/2004	Kang Soo Seo	1740-000087/US	4609
30593	7590	12/17/2004	EXAMINER	
HARNESS, DICKEY & PIERCE, P.L.C. P.O. BOX 8910 RESTON, VA 20195			DUGGINS, ALICIA M	
			ART UNIT	PAPER NUMBER
			2616	
DATE MAILED: 12/17/2004				

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

10/787,160

Applicant(s)

SEO ET AL.

Examiner

Alicia M Duggins

Art Unit

2616

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-15 is/are pending in the application.
- 4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-15 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 27 February 2004 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. ____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date 12/10/2004.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 1-15 are rejected under 35 U.S.C. 102(b) as being anticipated by
Nonomura et al. (US5734788)

Regarding claims 1, 12 and shows a recording medium and a method for recording and reproducing the medium having a data structure for managing random/shuffle reproduction of video data comprising:

At least one piece of title management information as shown by Nonomura in figs. 3b and 4 as title management information table (col.6 ll.28-col.7 l.6)

A playlist directory area storing at least one playlist including at least one play item is shown in fig.5 where the playlist is shown as PGC information and a play item is one of the titles such as "make your arms slim" or "make your waist slim" (col.10 ll.29-34)

A stream directory area for storing at least one clip of containing video associated with the playlist is shown in fig. 2a as a the volume area where digital data is stored (col.6 ll.15-24)

Title management information including one segment associated with at least one playlist directory is shown in fig. 3b (col.6 ll.48-66) where an interactive software title is related to the playlist.

Nonomura shows that each play item in the playlist is a unit to be randomized or shuffled during random/shuffle reproduction in figs. 7b and 9, where it is shown that reproduction can take place with either a standard reproduction mode or a random/shuffle reproduction mode (col.9 l.43 –col. 11 l.30)

Regarding claim 2, a title managed by title management information is a unit of video data is shown in fig. 3b the title management information stores DVD data as video titles (col.6 ll.49-67)

Regarding claims 3 and 4 title management information including branch points and segments assigned to each reproduction path are shown in fig.7b where each mode of reproduction has its own path (col.9 ll.43-57)

Regarding claims 5, 6 and 11, segments assigned to different reproduction paths are associated with a plurality of playlist and the playlists are associated with clips is shown in fig.8 where the VOB are the clips associated with the playlists (col.10 ll.20-30)

Regarding claims 7 -10, a random/shuffle reproduction block which includes a plurality of play items and the storing of the random/shuffle block in the title management information is shown figs. 7b and 9, where it is shown that reproduction

can take place with either a standard reproduction mode or a random/shuffle reproduction mode (col.9 l.43 –col. 11 l.30)

Regarding claims 14 and 15, an apparatus for recording and reproducing a data structure for managing random/shuffle reproduction comprising:

A drive for driving an optical recording/reproducing means that records/reproduces data on the recording medium is shown in fig.11 as an optical disk drive (16) and an optical disk drive controlling unit (83) for controlling the drive (col.12 l.58-col. 13 l.6)

Title management information including at least one segment associated with the playlist is shown in fig. 3b (col.6 ll.48-66) where an interactive software title is related to the playlist.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Alicia M Duggins whose telephone number is (703)305-5621. The examiner can normally be reached on M-F.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Andrew Faile can be reached on (703) 305-4380. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Art Unit: 2616

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AMD
12/10/04



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